

RoHS COMPLIANT

- ◆ Illuminatori led lineari di grande durata
- ◆ Potenza assorbita max 22W(*)
- ◆ Alimentazione 230VAC
- ◆ Vita oltre 78000 ore @85°C e 80% hum
- ◆ Grado di Protezione IP40
- ◆ Tc massima 75°C
- ◆ Protezione da sovratensione, sovracorrente e cortocircuito integrate

Articoli XEC30Q277[1/2/3]

Dimensioni e peso

DIMENSIONI	LxW(mm)	H(mm)	PESO(gr.)
XEC30Q277[1/2/3]	277(**)	20(**)	110

Descrizione

I moduli sono nati come illuminatore per installazioni standard nell'intervallo tra i 10W ed i 22W.

La maggior efficienza e convenienza economica d' impiego si hanno per una potenza assorbita di 12W.

Se si desidera contenere i costi con un' efficienza energetica leggermente ridotta è possibile impiegare i moduli con potenze assorbite di 22W(***) .

Materiali utilizzati

- ◆ Schede e componenti compatibili con la normativa RoHS
- ◆ Copertura in policarbonato
- ◆ Circuito interamente in alluminio

Conformità alla norma

Gli articolo XEC30Q277x sono alimentati direttamente da rete elettrica ed è conforme alle norme EN 62031:2008, EN 61547:2009, EN 55015:2006 + A1:2007 (*), EN 61000-3-2:2006 + A1:2009 + A2:2009, EN 61000-3-3:2008, EN 62471:2008 .

Il prodotto è dotato di protezione contro la sovratensione, la sovracorrente ed il corto circuito.

Manutenzione

Il modulo non necessita di manutenzione

Installazione

Il modulo deve essere installato con un dissipatore adeguato a smaltire la potenza termica di 9.8[17.6]W ;si consiglia l'utilizzo di un biadesivo con buona conducibilità termica.

Il modulo è predisposto per il fissaggio meccanico mediante adesivo termo conduttore.

Il cavo di alimentazione è ad uscita laterale

Caratteristiche tecniche XEC30Q277x impiego standard

TEMPERATURA COLORE	2700K	3000K	4000K
CRI	85	85	85
POTENZA ASSORBITA (W)	10	10	10
P.F. min.	96	96	96
FLUSSO LUMINOSO(lumen)	1310	1423	1451

Caratteristiche tecniche XEC30Q277x impiego gravoso

POTENZA ASSORBITA (W)	22	22	22
FLUSSO LUMINOSO(lumen)	2411	2896	2923

Come ordinare (codici aggiuntivi) vyzw

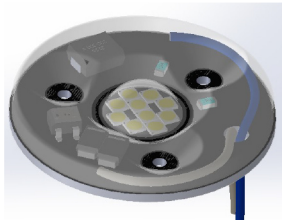
MODELLO	DIM.	T COLORE	LUNG. CAVO (v)	ADESIVO TERMOCONDUTTORE (y)	COPERTURA (z)	DIMMERABILE (w)
XEC	30Q277	3=2700°K 1=3000°K 2=4000°K	1=20Cm 2=30Cm 3=40Cm	0=NA 1=ADESIVO TERMO- CONDUTTORE	0=NA 1=COPERTURA	=NA 0=DIMMERABILE (****)

* Per potenze differenti rivolgersi direttamente alla ditta

** Le dimensioni si riferiscono al modulo completo di copertura in policarbonato

*** Le dimensioni del dissipatore devono essere aumentate in ragione della maggior potenza

**** Testata con Dimmer mod. Finder 15.81, Finder 15.91, Relco RM0540



- ◆ Illuminatori led circolare di grande durata
- ◆ Potenza assorbita 3,6/6/9/11W(*)
- ◆ Alimentazione 230VAC
- ◆ Vita oltre 50000 ore
- ◆ Grado di Protezione IP40
- ◆ Tc massima 75°C
- ◆ Protezione da sovracorrente e cortocircuito integrate

RoHs COMPLIANT

Articolo XEC45xx00yyWz

Dimensioni e peso

DIMENSIONI	Φ(mm)	W(mm)	H(mm)	PESO(gr.)
XEC45xx00yyWz	45 / 50(**)	45 / 50(**)	3,6 / 6 / 30/80(**)	15/200/300

Descrizione

Il modulo è nato come illuminatore per installazioni tipo faretto o spot nelle 4 potenze 3,6W 6W, 9W o 11W. E' dotato di copertura integrale e si fissa con 3 viti se senza parabola, se dotato di parabola si fissa con biadesivo (già predisposto). Quando il Cliente lo richiama è fornito anche il dissipatore e/o la parabola: angolo uscita Normale 40°, Stretto 25°. La potenza è regolata in fabbrica al momento dell'ordine e le dimensioni dei dissipatori sono adeguati alla potenza(***) .

Materiali utilizzati

- ◆ Schede e componenti compatibili con la normativa RoHs
- ◆ Copertura in policarbonato, cavi in FEP doppio isolamento
- ◆ Circuito interamente in alluminio, biadesivo 3M

Conformità alla norma

L'articolo XEC40Q100x è alimentato direttamente da rete elettrica ed è conforme alle norme EN 62031:2008, EN 61547:2009, EN 55015:2006 + A1:2007 (*), EN 61000-3-2:2006 + A1:2009 + A2:2009, EN 61000-3-3:2008, EN 62471:2008 .

Il prodotto è dotato di protezione contro la sovratensione, la sovracorrente ed il corto circuito. Contro i contatti accidentali è dotato di copertura.

Manutenzione

Il modulo non necessita di manutenzione

Installazione

Il modulo deve essere installato con un dissipatore adeguato a smaltire la potenza termica di 2,9W (per 3,6W) 4,5W (per 6W), 7W (per 9W) e 9,0W (per 11W) nel caso che il dissipatore non sia fornito dal costruttore.

Il modulo è predisposto per il fissaggio meccanico mediante tre viti Ø 2,5mm su diametro 27,71mm. A richiesta può essere fornito con adesivo termo conduttore. Il cavo di alimentazione è ad uscita posteriore.

Caratteristiche tecniche XEC45xx003Wz 3,6W

TEMPERATURA COLORE	2700K	3000K	4000K
CRI min	85	85	85
POTENZA ASSORBITA (W)	3,6	3,6	3,6
P.F. min.	>90	>90	>90
FLUSSO LUMINOSO(lumen)	450	500	510

Caratteristiche tecniche XEC45xx0092Wz 9W

POTENZA ASSORBITA (W)	9	9	9
FLUSSO LUMINOSO(lumen)	1000	1072	1144

Caratteristiche tecniche XEC45xx0012Wz 12W

POTENZA ASSORBITA (W)	12	12	12
FLUSSO LUMINOSO(lumen)	1340	1253	1253

Come ordinare (codici aggiuntivi) vyzw

MODELLO	DIAMETRO	T COLORE	LUNG. CAVO (v)	DISSIPATORE (y)	PARABOLA (z)	PIATTIELLO (w)
XEC	45	XX=30 3000°K XX=40 4000°K XX=27 2700°K	15Cm	Z=0 NO Z=A NO Z=B SI	Z=0 NO Z=A SI Z=B SI	Z=0 NO Z=A NO Z=B SI

* Per potenze differenti rivolgersi direttamente alla ditta

** Le dimensioni si riferiscono al modulo completo di copertura in policarbonato

*** Le dimensioni dei dissipatori devono essere aumentate in ragione della maggior potenza

**** Testata con Dimmer mod. Finder 15.81, Finder 15.91, Relco RM0540



- ◆ Long Lasting Circular Led Engine
- ◆ Maximum Power 24W(*)
- ◆ Line Voltage 95-264VAC (high side extended range)
- ◆ Guaranteed Life @ 85°C & 99% > 78000 hr
- ◆ IP Grade IP20
- ◆ Tc maxima 75°C
- ◆ Overcurrent and Overvoltage internal protection

RoHS COMPLIANT

Module Code XEC73XX00SWY/ZZ.ZW [v,h,c,p]

Dimensions and Weight

DIMENSIONS	Ø(mm)	H(mm)	WEIGHT(gr.)
XEC73XX00SWY/ZZ.ZW	75	10/12	75

Description

This light engine is designed for standard interior and exterior light fixture for powers between 10W and 24W. The engineering design optimal point are stated at 20W considering efficiency/cost ratio. Final light fixture cost should be contained if Customer could accept a small reduction in efficiency by factory setting the light absorbed power at 24W(****). Engineering, manufacture, test and QA are all made in Italy.

Material Specification

- ◆ Printed Circuit Board (PCB) and components are compliant to RoHs Directives and UL Standards
- ◆ Minimum CRI of standard series is 80, 95 available upon request with flux penalty
- ◆ PCB is Hybrid FR4+Aluminium Back (> 2.5kV breakdown)

Norms and Electrical Safety

Module Code XEC73 Series is an offline light engine and comply to: EN IEC 55015:2019, ECEE TRF 62778A:2016, IEC 62031:2018, IEC 61547:2020, IEC TR 63158:2018, IEC 61000-3-2:2018, IEC 61000-3-3:2020, IEC 61347-[1,2,3]:2017. The module has integrated overcurrent, overvoltage and short circuit protection. Accidental contact protection cover shall be mounted as per prescription to Customer in order to comply International Safety Std.

Maintenance

The module is maintenance free

Installation

The module shall be installed on an adequate heat sink dimensioned to dissipate a minum power of 15W at room temperature; a termoconductive layer is suggested in case factory conductive/bonding adhesive option was not ordered. Mechanical fixing holes are provided for M3 screws (x6 not included) equally spaced on a circular pattern. Side/back exit double insulation FEP cables are available as option.

Performance for XEC73 rated to 12/20W

WHITE GRADE	2700K	3000K	4000K
CRI min	80	80	80
STANDARD POWER (W)	[12]20	[12]20	[12]20
POWER FACTOR	96	96	96
FLUX (lumen) (hot)	[1870]2953	[1920]3031	[2024]3196

Product is Energy labelled. Products using >80 CRI leds are D Energy Class Compliant according to color temperature, product using 95 CRI leds are A Energy Class Compliant for any color temperature above 2700K. All product's families are dimmable.

Performance for XEC73 rated to 12W @ 2700K-3000K-4000K @ CRI 95

POWER (W)	12	12	12
FLUX (lumen) (hot)	1496	1551	1595

Code Ordering Table and Special Codes vyzw

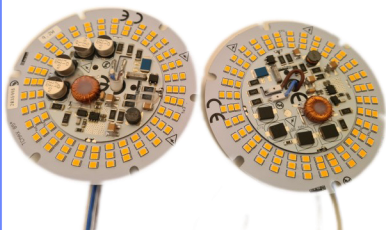
SERIES	DIAMETER	WHITE GRAD	CABLE L. (v)	THERMAL CONDUCTIVE ADHESIVE (h)	COVER (c)	POWER (z)
XEC	73	2700SW 3000SW 4000SW 5000SW	0=10Cm 1=20Cm 2=30Cm 3=40Cm	0=NA 1=WITH ADHESIVE LAYER	0=NA	Ex. 12.3 = 12.3 W

* If different power is needed, please contact us, Y and c option please call www.weldingsrl.com +39 0342681287

** Dimensions are for a module including PCB cover

*** Heat sink dimension shall be increased to consider the greater power involved

**** Test were performed with market available dimmer models such resulting in optimal compatibility. If you need testing on a specific dimmer solution, please contact us. Efficacy 168lm/W@30mA 85°C 2700K



RoHS COMPLIANT

- ◆ Long Lasting Circular Led Engine
- ◆ Maximum Power 24W(*)
- ◆ Line Voltage 95-264VAC (high side extended range)
- ◆ Guaranteed Life @ 85°C & 99% > 78000 hr
- ◆ IP Grade IP20
- ◆ Tc maxima 75°C
- ◆ Overcurrent and Overvoltage internal protection

Module Code XEC100XX00SWY/ZZ.ZW [v,h,c,p]

Dimensions and Weight

DIMENSIONS	Ø(mm)	H(mm)	WEIGHT(gr.)
XEC100XX00SWY/ZZ.ZW	100	6/10	75

Description

This light engine is designed for standard interior and exterior light fixture for powers between 10W and 24W. The engineering design optimal point are stated at 20W considering efficiency/cost ratio. Final light fixture cost should be contained if Customer could accept a small reduction in efficiency by factory setting the light absorbed power at 24W(****). Engineering, manufacture, test and QA are all made in Italy.

Material Specification

- ◆ Printed Circuit Board (PCB) and components are compliant to RoHs Directives and UL Standards
- ◆ Minimum CRI of standard series is 80, 95 available upon request with flux penalty
- ◆ PCB is Hybrid FR4+Aluminium Back (> 2.5kV breakdown)

Norms and Electrical Safety

Module Code XEC100 Series is an offline light engine and comply to: EN IEC 55015:2019, ECEE TRF 62778A:2016, IEC 62031:2018, IEC 61547:2020, IEC TR 63158:2018, IEC 61000-3-2:2018, IEC 61000-3-3:2020, IEC 61347-[1,2,3]:2017. The module has integrated overcurrent, overvoltage and short circuit protection. Accidental contact protection cover shall be mounted as per prescription to Customer in order to comply International Safety Std.

Maintenance

The module is maintenance free

Installation

The module shall be installed on an adequate heat sink dimensioned to dissipate a minum power of 15W at room temperature; a termoconductive layer is suggested in case factory conductive/bonding adhesive option was not ordered. Mechanical fixing holes are provided for M3 screws (x6 not included) equally spaced on a circular pattern. Side/back exit double insulation FEP cables are available as option.

Performance for XEC100 rated to 12/20W

WHITE GRADE	2700K	3000K	4000K
CRI min	80	80	80
STANDARD POWER (W)	[12]20	[12]20	[12]20
POWER FACTOR	96	96	96
FLUX (lumen) (hot)	[1870]2953	[1920]3031	[2024]3196

Product is Energy labelled.
Products using 80 CRI leds are D Energy Class Compliant according to color temperature, product using 95 CRI leds are A Energy Class Compliant for any color temperature above 2700K.
All product's families are dimmable.

Performance for XEC100 rated to 12W @ 2700K-3000K-4000K @ CRI 95

POWER (W)	12	12	12
FLUX (lumen) (hot)	1496	1551	1595

Code Ordering Table and Special Codes vyzw

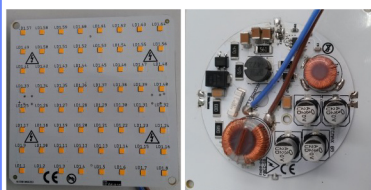
SERIES	DIAMETER	WHITE GRAD	CABLE L. (v)	THERMAL CONDUCTIVE ADHESIVE (h)	COVER (c)	POWER (z)
XEC	100	2700SW 3000SW 4000SW 5000SW	0=10Cm 1=20Cm 2=30Cm 3=40Cm	0=NA 1=WITH ADHESIVE LAYER	0=NA	Ex. 12.3 = 12.3 W

* If different power is needed, please contact us, Y and c option please call www.weldingsrl.com +39 0342681287

** Dimensions are for a module including PCB cover

*** Heat sink dimension shall be increased to consider the greater power involved

**** Test were performed with market available dimmer models such resulting in optimal compatibility. If you need testing on a specific dimmer solution, please contact us. Efficacy 168lm/W@30mA 85°C 2700K



- ◆ Long Lasting Circular Back Led Engine
- ◆ Maximum Power 12W(*)
- ◆ Line Voltage 95-264VAC (high side extended range)
- ◆ Guaranteed Life @ 85°C & 99% > 78000 hr
- ◆ IP Grade IP20
- ◆ Tc maxima 75°C
- ◆ Overcurrent and Overvoltage internal protection

RoHS COMPLIANT

Module Code XECSOLQ5W

Dimensions and Weight

DIMENSIONS	Q(mm)	H(mm)	WEIGHT(gr.)
XECSOLQ5W	75	11/12	75

Description

This light engine is designed for standard interior and exterior light fixture for powers between 5W and 12W. The engineering design optimal point are stated at 7W. considering efficiency/cost ratio. Final light fixture cost should be contained if Customer could accept a small reduction in efficiency by factory setting the light absorbed power at 12W(****). Engineering, manufacture, test and QA are all made in Italy.

Material Specification

- ◆ Printed Circuit Board (PCB) and components are compliant to RoHs Directives and UL Standards
- ◆ Minimum CRI of standard series is 85, 90, 95 available upon request with flux penalty
- ◆ PCB is Hybrid FR4+Aluminium Back (> 2.5kV breakdown)

Norms and Electrical Safety

Module Code XECSOL Series is an offline light engine and comply to: EN IEC 55015:2019, ECEE TRF 62778A:2016, IEC 62031:2018, IEC 61547:2020, IEC TR 63158:2018, IEC 61000-3-2:2018, IEC 61000-3-3:2020, IEC 61347-[1,2,3]:2017. The module has integrated overcurrent, overvoltage and short circuit protection. Accidental contact protection cover shall be mounted as per prescription to Customer in order to comply International Safety Std.

Maintenance

The module is maintenance free

Installation

The module shall be installed on an adequate heat sink dimensioned to dissipate a minum power of 5W at room temperature; a termoconductive layer is suggested in case factory conductive/bonding adhesive option was not ordered. Mechanical fixing holes are provided for M3 self threading screws (x2 not included) equally spaced on a circular pattern. Side/back exit double insulation FEP cables are available as option.

Performance for XECSOL rated to 6/12W

WHITE GRADE	2700K	3000K	4000K
CRI min	85	85	85
STANDARD POWER (W)	[6]12	[6]12	[6]12
POWER FACTOR	96	96	96
FLUX (lumen) (hot)	[860]1803	[890]2010	[890]2010

Product is Energy labelled.
Products using 80 CRI leds are D Energy Class Compliant according to color temperature, product using 95 CRI leds are E Energy Class Compliant for any color temperature above 2700K.
All product's families are dimmable.

Performance for XECSOL rated to 5W @ 2700K-3000K-4000K @ CRI 90

POWER (W)	5	5	5
FLUX (lumen) (hot)	728	795	815

Code Ordering Table and Special Codes vyzw

SERIES	DIAMETER	WHITE GRAD	CABLE L. (v)	THERMAL CONDUCTIVE ADHESIVE (h)	COVER (c)	POWER (z)
XECSOL	100	2700SW 3000SW 4000SW 5000SW	0=10Cm 1=20Cm 2=30Cm 3=40Cm	0=NA 1=WITH ADHESIVE LAYER	0=NA	Ex. 12.3 = 12.3 W

* If different power is needed, please contact us, Y and c option please call www.weldingsrl.com +39 0342681287

** Dimensions are for a module including PCB cover

*** Heat sink dimension shall be increased to consider the greater power involved

**** Test were performed with market available dimmer models such resulting in optimal compatibility. If you need testing on a specific dimmer solution, please contact us. Efficacy: 141lm/W@700mA 85°C 2700K NVSLE21AT